

				IN THE UNITED STATES PATENT AND TRADEMARK OFFICE					
Œ	Appl	ication of	÷	Confirmation No.:					
		yazi, et a		Group Art Unit:					
	Serial No.: 10/669,178			Examiner:					
	Filed: Sep	tember 23	3, 2003	Docket No.: 62020-1450					
	For: Electr	rically Co	upled M	icro-Electro-Mechanical Filter Systems and Methods					
	•		-	INFORMATION DISCLOSURE STATEMENT					
	Commission P.O. Box 1 Alexandria	450		-1450					
	Sir:	his infor	nation d	isclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:					
	<sub>.</sub> . <b>D</b>	(v	ithin Thre	CFR 1.97(b), or emonths of filing national application; or date of entry of international application; or before of first office action on the merits; whichever occurs last)					
		] u [		CFR 1.97(c) together with either a: Statement Under 37 C.F.R. 1.97(e), or \$180.00 fee under 37 CFR 1.17(p), or After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever ccurs first)					
		] u [		CFR 1.97(d) together with a: Statement under 37 CFR 1.97(e), and \$\$180.00 petition fee set forth in 37 CFR 1.17(p). Filed after final office action or notice of allowance, whichever occurs first, but before payment of the ssue fee)					
				the pendency of this application, please charge any fees required to Deposit Account 20-0778 pursuant issioner is hereby requested to credit any overpayment to Deposit Account No. 20-0778.					
	(\ b	Applicant(s) submit herewith Form PTO 1449A - Information Disclosure Statement by Applicant together with copic (where required) of patents, publications or other information of which applicant(s) are aware, which applicant(believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclosin accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.							
	 0 3	ther forei 7 CFR 1.	gn langu 56(c) me	ion of the relevance of foreign language patents, foreign language publications and age information listed on PTO Form 1449, as presently understood by the individual(s) designated in ost knowledgeable about the content is given on the attached sheet, or where a foreign language patent in report or other action by a foreign patent office in a counterpart foreign application, an English					

language version of the search report or action which indicates the degree of relevance found by the foreign office is listed

on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be enabling for the teachings they purport

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. Any statements or identifications regarding the relevance of any portion(s) of cited references should not be construed as a representation that the most relevant portion(s) have been identified, and the absence of such statements or identifications should not be construed as representations that there are no relevant portion(s). The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

THOMAS, KAYDEN, HORSTEMEYER

& RISLEY, L.L.P.

By:

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## **CERTIFIED MAILING**

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I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class Mail," in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 2-10-04

Signature

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Form PTC	1449	)			Attorney Doc 62020-1450	ket No.	I	Serial No. 10/669,178		
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		(Use several sheets i	f necessary)		Filing Date Group September 23, 2003			p		
	-		U.S. PA	TENT DOCUMEN	TS	_		<u> </u>		
Examiner Initials	Item	Document Number	Date 4-15-03	Nan	ne	Class	Subclass	Filing Date If Appropriate		
	A	6,549,099		Taussig		333	186	6-29-01		
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<del></del>			FOREIGN	PATENT DOCUM	ENTS	<u> </u>				
		Document Number	Date	Count			Subclass	Translation		
								Yes No		
	В	WO 02/01717 A1	1/3/02	PCT				Abstract		
	С	WO 03/043189 A2		PCT				Abstract		
		OTHER DOCUM	IENTS (Inclu	ding Author, Title, I	Date, Pertinent F	ages, etc	;.)			
	D	<ul> <li>D Galayko, D., Kaiser, A., Buchaillot, L. et al. (2003) Microelectromechanical Variable-Bandwidth IF Frequency Filters With Tunable Electrostatical Coupling Spring. IEEE., pp. 153-156</li> <li>E No, S.Y., Hashimura, A., Pourkamali, S. et al., Single-Crystal Silicon HARPSS Capacitive Resonators with Submicro Gap-Spacing, School of Electrical and Computer Engineering, Georgia Institute of Technology, GA; for proceedings a Hilton Head 2002.</li> <li>F Pourkamali, S., Abdolvand, R., Hashimura, A. et al. HARPSS Single Crystal Silicon Filter Arrays. School of Electrical and Computer Engineering, Georgia Institute of Technology, GA.</li> </ul>								
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	<ul> <li>Wang, K., Bannon, F.D., Clark, J.R. et al. (1997) Q-Enhancement of Microelectromechanical Filters Via Low-Velocit Spring Coupling., Proceedings, IEEE International Ultrasonics Symposium, Toronto, Canada, Oct. 5-8, 1997, pp. 323 327.</li> <li>Wang, K. and Nguyen, T.C. (1997) High-Order Micromechanical Electronic Filters, Proceedings, IEEE International Micro Electro Mechanical Systems Workshop, Nagoya, Japan, Jan. 26-30, 1997, pp. 25-30.</li> </ul>									
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		Pourkamali, et al. Electrosta Engineering, Georgia Institu 705.								
	K Ayazi, Farrokh, et al., Capacitive Resonators And Methods Of Fabrication, filed with the USPTO on July 31, 2003, having serial no. 10/632,176.									
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		considered. Include copy of the GNATURE:	ns totili with nex	<del></del>	CONSIDERED:	<del></del> _				
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